

WHAT IS CLAIMED IS:

1. A system for providing a circuit device to a user using a server and a user terminal connected to a communication network, wherein
 - 5 the user terminal comprises:
 - input means for inputting a condition to be satisfied by the circuit device; and
 - transmission means for transmitting the condition via the communication network to the server,
 - 10 the server comprises:
 - receiver means for receiving the condition transmitted from the user terminal;
 - storage means for storing circuit device data related to the circuit device;
 - 15 processor means for providing at least a portion of the circuit device data to the user terminal as a sample and for creating manufacturing data of the circuit device based on the condition received from the user terminal and the circuit device data; and
 - output means for outputting the manufacturing data to a
 - 20 manufacturing facility of the circuit device, and
 - the storage means stores, as the circuit device data, at least CAD data of circuit diagram, CAD data of a built-in passive part, CAD data of a built-in active part, adhesive data, external form data, and backside terminal data regarding the circuit device.
- 25 2. A system according to Claim 1, wherein
 - the user terminal transmits, as the condition, at least external

form and size data, terminal data, built-in part data, and CAD data of circuit diagram regarding the circuit device to the server, and the server creates manufacturing mask data as the manufacturing data based on the condition.

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3. A system according to Claim 1, wherein the storage means accumulatively stores the condition received from the user terminal and the manufacturing data.

10 4. A system according to Claim 1, wherein
the storage means further stores data of reliability evaluation results for a plurality of circuit devices, and
the processor means evaluates the reliability of the circuit device to be manufactured from the received condition based on the
15 reliability evaluation result.

5. A system according to Claim 1, further comprising:
a second user terminal connected to the communication network,
wherein
20 the second user terminal comprises means for transmitting part data related to a part to be incorporated into the circuit device to the server, and
the storage means accumulatively stores the part data.

25 6. A system according to Claim 5, wherein
the user terminal is a terminal for a device manufacturer,
and

the second user terminal is a terminal for a part manufacturer.

7. A system according to Claim 1, wherein

the circuit device comprises a plurality of electrically
5 separated conductive paths, a circuit element fixed on the
conductive path, and an insulating resin covering the circuit
element and integrally supporting the conductive path.

8. A system for providing, via a communication network, a circuit
10 device having an IC and a passive part covered and supported by
an insulating resin, wherein:

a terminal for a device manufacturer, a terminal for a part
manufacturer, and a server are connected to the communication
network;

15 CAD data of an IC or a passive part to be used in the circuit
device is transmitted from the terminal for part manufacturer to
the server;

20 the server registers at least CAD data of an IC and a passive
part used in the circuit device, CAD data of the circuit diagram,
data regarding wiring and adhesives, and data of external form and
backside terminal of the circuit device as a library,

25 the server creates web screen data for inputting a condition
to be satisfied by the circuit device using the data of the library
and transmits the web screen data to the terminal for a device
manufacturer;

at least external form and size data, terminal data, IC data,
passive part data, and CAD data of a circuit diagram are transmitted

as the condition to be satisfied by the circuit device from the terminal for the device manufacturer to the server; and
the server newly registers the condition as a library, creates mask data for manufacturing circuit device based on the condition,
5 and supplies the mask data to a manufacturing facility of the circuit device.

9. A server computer used in a system for providing a circuit device, the server computer comprising:

10 storage means for storing data about a circuit device;
means for creating screen data for allowing an input of a condition for manufacturing the circuit device using the data stored in the storage means and transmitting the created data to a user terminal;
15 means for receiving, as the condition, at least CAD data of a circuit diagram, CAD data of a built-in passive part, CAD data of a built-in active part, data of an adhesive, data of external form, and data of a backside terminal from the user terminal;
processor means for creating manufacturing data for
20 manufacturing the circuit device based on the condition and the data stored in the storage means; and
means for outputting the manufacturing data to a manufacturing facility of a circuit device.

25 10. A server computer according to Claim 9, wherein
the manufacturing data contains mask data.

11. A server computer according to Claim 9, wherein
the storage means stores data of reliability test results for
a plurality of circuit devices and comprises means for evaluating,
based on the reliability test result data, reliability of a circuit
5 device to be manufactured based on the condition and transmitting
the evaluation to the user terminal.